



# Anti-C-Ret (C-terminal) polyclonal antibody (DPAB2444RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit anti-human c-ret (long isoform) polyclonal antibody.
<b>Antigen Description</b>	The ret proto-oncogene products (proto-Ret protein) are expressed as 150kDa and 170kDa glycoproteins in neuroblastoma cells and as 150kDa and 190kDa glycoproteins in leukemia cells. These proteins are produced from a single polypeptide of 120kDa by posttranslational glycosylation. Although expression of the ret proto-oncogene was frequently detected in human tumors such as neuroblastoma, pheochromocytoma and thyroid medullary carcinoma, its physiological function is unknown. It turned out that the extracellular domain of the proto-Ret protein contains a cadherin-related sequence that is known to be important for Ca <sup>2+</sup> -dependent homophilic binding of cadherins. The homologous sequence found in the proto-Ret protein consists of about 110 amino acids and is tandemly repeated 3 - 4 times in the extracellular domains of all vertebrate cadherins. The sequence of the proto-Ret protein showed 20 - 30 % identity with the member of the cadherin superfamily in the amino acid level. This suggests that possibility that the proto-Ret protein may function as a cell adhesion molecule like cadherins.
<b>Specificity</b>	Long Isoform specific.
<b>Immunogen</b>	Synthetic peptide of the C-terminal part of Human c-Ret Long Isoform (ANWMLSPSAAKLMDTFDS)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Purified with antigen peptide
<b>Conjugate</b>	Unconjugated

<b>Applications</b>	WB, IP
<b>Format</b>	Lyophilized product from 1% BSA in PBS containing 0.05%NaN3
<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Lyophilized product, 5 years at 2 - 8 oC; Solution, 2 years at - 20 °C.

## BACKGROUND

<b>Introduction</b>	The RET proto-oncogene encodes a receptor tyrosine kinase for members of the glial cell line-derived neurotrophic factor family of extracellular signalling molecules. RET loss of function mutations are associated with the development of Hirschsprung's dis
<b>Keywords</b>	c-ret; proto-Ret protein; RET; PTC; CDHF12; HSCR1; MEN2A; MEN2B; MTC1; RET-ELE1; RET51

## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">5979</a>
<b>UniProt ID</b>	<a href="#">P07949</a>